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TRANSACTIONS

OF THE

AMERICAN INSTITUTE OF MINING ENGINEERS.

CONTENTS AND INDEX,

VOLS. I TO XV INCLUSIVE.

NEW YORK CITY:
PUBLISHED BY THE INSTITUTE,
AT THE OFFICE OF THE SECRETARY.
©1888.

PHILADELPHIA:
SHERMAN & CO., PRINTERS

PREFACE.

All the references in this volume having been carefully verified, it is believed to be free from errors in that respect. In some other particulars, however, its imperfections must be frankly acknowledged. Having been compiled from the index to Vols. I to X, published by the Institute five years ago, and the separate indexes of the several succeeding volumes, it is not constructed upon as thorough a system of classification as might have been followed with an entirely new work. The first ten volumes of the TRANSACTIONS were not so minutely indexed as the later ones have been; nor were the same rules followed in the framing of titles, etc. The attempt to harmonize, in the present volume, the differences thus caused, has not been completely successful, partly because, under the method of publication necessitated, the sheets were put to press successively, after proof-reading, and were thus placed beyond the reach of further alterations. The principal practical result is, that in some cases, overlooked until too late, the references under a given title do not include everything which might with propriety have been placed under it. Thus, for example, the titles "Lead Mines," "Silver Mines" and "Silver-lead Mines" are neither exhaustive, taken separately, nor perfectly distinguished. The student may need to look under all three, to be sure he has found everything pertinent to either. The same is true of "Coal," "Coal-basins," "Coal-beds," "Coal-fields" and "Coal-mines." Other instances could be given, but perhaps these are the most serious.

The attempt has been made to give, in addition to the names of mines and works in this Index, the Counties in which they are situated, whether these were named in the text of the volume or not, thus giving to the index something of the value of a gazetteer. That this attempt was not in all cases successful, does not destroy its usefulness in those cases where it did succeed.

While this Index greatly increases the usefulness of the TRANSACTIONS for reference, its own value, on the other hand, is greatest to those who possess complete series of the latter. Single back volumes, and a few complete sets, are for sale at the Secretary's office, where a few of the papers in Vol. VIII, and most of those in Vols. IX–XV may also be obtained in separate pamphlet form.

ERRATA.

The following list of corrections comprises all that have been reported to the Secretary from the fifteen volumes.

Vol. I, Page 160. The first two sentences of the second paragraph should read as follows: "For No. II we find that 2.33 per cent. Al_2O_3 take 4.07 per cent. SiO_2, leaving 3.48 per cent. SiO_2 free, which requires 3.25 per cent. CaO."

In the 14th line on the same page, 3.79 should be 3.25; and in the 15th and 18th lines, 46.44 should be 46.98.

Vol. VI, Page 59. The discharges of the miners' inch per second, given as .2624 and .2499 cubic feet, should be .02624 and .02499 respectively. The discharges per minute, hour, etc., are correctly given.

Vol. VIII, Page 214. 16th and 25th lines, ferric carbonate should be ferrous carbonate.

Page 486, 16th line, 10,000 should be 5,000.

Vol. IX, Page 17. At the end of the first sentence of the third paragraph, feldspathic hematites should be feldspathic magnetites.

Vol. X, Page 104, 10th line, sulphides should be sulphates.

Vol. XI, Page 191, footnote, September should be August.

Vol. XV, Page 133, 12th line from bottom, water should be waters; 5th line from bottom, 1869 should be 1864.

Page 134, 20th line, cut should be cuts.

Page 437, 6th line, "times proportioned" should be "times inversely proportional."

Page 779, 9th line, after "breaking load of Fig: 3" insert "for 24 inches span."

Page 804, at the end of the second paragraph, the fraction $\frac{Md}{21}$ should be $\frac{Md}{2I}$.

13 Burling Slip, P. O. Box 223.
NEW YORK, MAY 4, 1888.

R. W. RAYMOND,
Secretary.

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